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	SERIAL NO.	FILING DATE
08286.105004	10/045,652	October 26, 2001
APPLICANT		GROUP
THOMAS, Stephen et al.		2633

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
B	AA US 4,500,990	02/19/85	Akashi			

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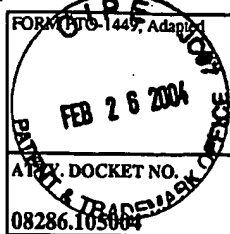
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		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION	
						YES	NO.


EXAMINER	DATE CONSIDERED
<i>[Signature]</i>	11/12/04

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APP. DOCKET NO. 08286.105004	SERIAL NO. 10/045,652	FILING DATE October 26, 2001
APPLICANT THOMAS, Stephen et al.		GROUP 2633

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
B	AA	US 5,969,836	10/19/99	FOLTZER, Lawrence E.			
B	AB	US 5,365,588	11/15/94	BIANCO, Mark E. et al.			
B	AC	US 4,956,863	09/11/90	GOSS, Kenneth C.			
B	AD	US 5,253,250	10/12/93	SCHLAFFER, John et al.			
B	AE	US 6,336,201	01/01/01	GEILE, Michael J. et al.			
B	AF	US 5,793,413	08/11/98	HYLTON, Denny L. et al.			
B	AG	US 5,790,523	08/04/98	RITCHIE, JR., John A. et al.			
B	AH	US 6,041,056	03/21/00	BIGHAM, John A. et al.			
B	AI	US 5,666,487	09/09/97	GOODMAN, William et al.			
B	AJ	US 5,557,317	09/17/96	NISHIO, Makoto et al.			
B	AK	US 5,534,912	07/09/96	KOSTRESKI, Bruce W.			
B	AL	US 5,247,347	09/21/93	LITTERAL, Larry A. et al.			
B	AM	US 6,097,515	08/01/00	POMP, Steve et al.			
B	AN	US RE 35,774	04/21/98	MOURA, Eduardo J. et al.			
B	AO	US 6,674,967	01/06/04	SKROBKO, John et al.			
B	AP	US 6,483,635	11/19/02	WACH, Michael			
B	AQ	US 5,541,917	07/30/96	FARRIS, Robert D. et al.			
B	AR	US 5,572,347	11/05/96	BURTON, Larry W. et al.			

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FORM PTO-149, Adapted

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APPLICANT THOMAS, Stephen et al.		GROUP 2633	Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION	
						YES	NO
AS		EP 0955739 A2	11/10/99	Europe	NEC Corporation		
AT		EP 0713347 A2	05/22/96	Europe	AT&T Corporation		

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AU		MIKI, Tetsuya et al., "A Design Concept on Fiber-Optic Wavelength-Division-Multiplexing Subscriber Loop System" WTG - Fachber, 1980, pages 41-45.
AV		International Search Report of July 7, 2003 for PCT/US01/51350.
AW		ANGELOPOULOS, J.D. et al., "A Transport Mac Method for Bandwidth Sharing and CDV Control at the ATM Layer of Passive Optical Networks" Journal of Lightwave Technology, IEEE, 1996, pages 2625-2634.
AX		International Search Report of July 2, 2003 for PCT/US03/07814.
AY		International Search Report of October 3, 2003 for PCT/US03/12231.
AZ		CICIORA, Walter S. et al., "Modern Cable Television Technology: Video, Voice, and Data Communications", © 1999, pages 162-214, Chapter 4, Morgan Kaufmann Publishers, Inc., San Francisco, California.
BA		GLAESEMANN, G. Scott et al., "The Mechanical Reliability of Corning® Optical Fiber in Bending White Paper", September 2002, pages 1-4
BB		Corning® SMF-28™ Optical Fiber Product Information, "Corning® Single-Mode Optical Fiber", April 2002, pages 1-4.
BC		Companie Deutsch, Components for Fiber Optics, "Triplexers - WDM: FSAN - TPM Series", pages 1-6.
BD		CEDaily Direct News, "Today's Report", March 19, 2001, pages 1-5.
BE		Lucent Technologies, "Lucent Technologies Introduces Single-Fiber Network Access Devices for Voice, Video, and Data Services to the Home or Curb", June 6, 2000, pages 1-2.
BF		Lucent Technologies, "Agere Systems Introduces Single-Fiber Network Access Devices for Voice, Video and Data Services to the Home or Curb", March 19, 2001, pages 1-3.
BG		Optical Networks Daily, A Publication of Optical Keyhole, August 26, 2003, pages 1-13.
BH		International Preliminary Examination Report of October 27, 2003 for PCT/US01/21298.
BI		BOURNE, John et al., "Heathrow - Experience and Evolution" IEEE, 1990, pages 1091-1095.
BJ		YAMAGUCHI, K. et al., "A Broadband Access Network Based on Optical Signal Processing: The Photonic Highway" IEEE, 1990, pages 1030-1037.
BK		Written Opinion of July 23, 2003 for PCT/US02/028734.
BL		International Search Report of July 7, 2003 for PCT/US01/51350.

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Sheet 1 of 2

FORM PTO-1449, Adopted

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08286.105004		10/045,652		October 26, 2001			
APPLICANT				GROUP			
Stephen A. Thomas et al.				2633			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
h	AA	5,559,858	09/24/96	Beveridge			
h	AB	6,460,182	10/01/02	BuAbbud			
h	AC	6,546,014	04/08/03	Kramer et al.			
h	AD	2003/0090320 A1	05/15/03	Skrobko et al.			
h	AE	2001/0002486 A1	05/31/01	Kocher et al.			
h	AF	5,469,507	11/21/95	Canetti et al.			
h	AG	2002/0164026 A1	11/07/02	Huima			
h	AH	5,179,591	01/12/93	Hardy et al.			
h	AI	6,360,320 B2	03/19/02	Ishiguro et al.			
h	AJ	5,875,430	02/23/99	Koether			
h	AK	4,763,317	08/09/88	Lehman et al.			
h	AL	6,427,035	07/30/02	Mahony			
h	AM	5,349,457	09/20/94	Bears			
h	AN	6,295,148	09/25/01	Atlas			
h	AO	5,325,223	06/28/94	Bears			
h	AP	6,385,366	05/07/02	Lin			
EXAMINER <i>h</i>				DATE CONSIDERED 11/6/04			

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Sheet 2 of 2

FORM PTO-1449

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ATTY. DOCKET NO.  
08286.105004SERIAL NO.  
10/045,652FILING DATE  
October 26, 2001

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Stephen A. Thomas et al.

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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BA	International Search Report dated 04/22/03 for PCT/US01/50361
BB	L. Zhang et al., "Label-switching architecture for IP traffic over WDM networks", IEE Proc.-Comm., Vol. 147, No. 5, October 2000, pgs. 269-275.
BC	J. Masip-Torné, et al., "Providing Differentiated Service Categories in Optical Packet Networks", Proceedings of the International Teletraffic Congress 1999.
BD	ITC-16. Teletraffic Engineering in a Competitive World. Edinburgh, UK, June 7 - 11, 1999, Teletraffic Science and Engineering, Amsterdam: Elsevier, NL, Vol. 3B, June 7, 1999, pgs. 1115-1126
BE	J. Bamister et al., "How Many Wavelengths Do We Really Need? A Study of the Performance Limits of Packet Over WaveLengths", Optical Networks Magazin, SPIE, Bellingham, WA, Vol. 1, No. 2, April 2000, pgs. 17-28.
BF	O. W.W. Yang, et al., "All-Optical WDM/TDM Star-Bus Network Using Optical Amplifiers", Journal of Optical Communications, Fachverlage Schiele & Schen, Berlin, DE, Vol. 16, No. 6, December 1, 1995, pgs. 216-226.
BG	Walter Ciciora et al., "Modern Cable Television Technology: Video, Voice, and Data Communications", © 1999 by Morgan Kaufmann Publishers, Inc., pgs. 167-176
BH	International Search Report dated 04/21/03 for PCT/US02/28734
BI	Written Opinion dated May 6, 2003 for PCT/US01/21298
BJ	
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APPLICANT Stephen A. Thomas et al.		GROUP 2633

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA	20010002195	05/31/01	Fellman et al.			
AS	AB	20010002196	05/31/01	Fellman et al.			
AS	AC	20010030785	10/18/01	Pangrac et al.			
AS	AD	20020039218	04/04/02	Farmer et al.			
AS	AE	20020089725	07/11/02	Farmer et al.			
AS	AF	4,655,517	05/11/87	Widmer			
AS	AG	4,975,899	12/04/90	Faulkner			
AS	AH	5,572,348	11/05/96	Carlson et al.			
AS	AI	5,880,864	03/09/99	Williams et al.			
AS	AJ	RE37,125	04/03/01	Carlson et al.			
AS	AK	6,356,369	03/12/02	Farhan			

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION YES NO.
AS	AL	EP 0720322 A2	07/03/96	Europe	ALCATEL N.V.	
AS	AM	WO 01/27940 A2	04/19/01	PCT	OPTICAL SOLUTIONS, INC.	
AS	AN	WO 02/030019 A3	04/11/02	PCT	WAVE7 OPTICS, INC.	
AS	AO	WO 02/30020 A2	04/11/02	PCT	WAVE7 OPTICS, INC.	
AS	AP	WO 02/060123 A2	08/01/02	PCT	WAVE7 OPTICS, INC.	

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AS	AQ	"Trading Update and Operational Review Presentation" Marconi, September 4, 2001, pgs 1-35.
AS	AR	"Cable Market" 2 pgs, Marconi Corporation, PLC, 2000 at www.Marconi.com
AS	AS	"Communications" 2 pgs, Marconi Corporation, PLC, 2000 at www.Marconi.com
AS	AT	"Dalton Utilities" 9 pgs, Marconi Corporation, PLC, 2002 at www.Marconi.com

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08286.105004	10/045,652	October 26, 2001
APPLICANT	GROUP	
Stephen A. Thomas et al.	2633	
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
AU	"Deep Fiber Solutions" 3 pgs, Marconi Corporation, PLC, 2000 at www.Marconi.com	
AV	"Deep Fiber HFC Features and Benefits" 1 pg, Marconi Corporation, PLC, 2002 at www.Marconi.com	
AW	"Deep Fiber HFC Network Diagram" 1 pg, Marconi Corporation, PLC, 2002 at www.Marconi.com	
AX	"Deep Fiber HFC Product Overview: New FITL Configuration" 2 pgs, Marconi Corporation, PLC, 2002 at www.Marconi.com	
AY	"Deep Fiber HFC Technical Specifications" 2 pgs, Marconi Corporation, PLC, 2002 at www.Marconi.com	
AZ	"Deep Fiber HFC - New FITL Configuration" 1 pg, Marconi Corporation, PLC, 2002 at www.Marconi.com	
BA	"En-Touch" at 5 pgs, Marconi Corporation, PLC, 2002 www.Marconi.com	
BB	"Fiber to the Home" International Engineering Consortium (no date) pgs 1-10, available at www.iec.com.	
BC	"Deep Fiber HFC" Marconi Corporation PLC 2000, pgs 1-2.	
BD	"Integrated Voice, Video and Data Services Over a Single Fiber: A Compelling Opportunity for Cable Operators" Marconi Corporation PLC, May 2000, 6 pgs	
BE	"Deep Fiber Solutions: Advanced Broadband Services" Marconi Corporation PLC, May 2000, 5pgs.	
BF	"Deep Fiber HFC: A Next-Generation Integrated Access Solution Offering Significant Improvement Over Traditional HFC Architectures" Marconi Corporation PLC, May 2000, 8pgs.	
BG	"A Gold Mine of Opportunities in the Face of Increasing Competition: Choices for Utilities Entering the Communications Marketplace" Marconi Corporation PLC, May 2000, 6pgs	
BH	"Fiber Optics on New Development MDUs: A Research Summary," Marconi Corporation PLC, May 2000, 5pgs.	
BI	"Thermal Management Challenges: Small ONU Enclosures," Marconi Corporation PLC, May 2000, 9pgs.	
BJ	"Passive Optical Networks - Is There Light at the End of the Access Tunnel?" CIBC World Markets Inc., January 11, 2001, pgs 1-66.	
BK	"36.2.4 8B/10B transmission code", IEEE 2000, pgs 966-969.	
BL	G. Khoe et al., "Coherent Multicarrier Technology for Implementation in the Customer Access," IEEE, May/June 1993, pgs 695-713.	
BM	L. Linnell, "A Wide-Band Local Access System Using Emerging-Technology Components," IEEE, July 1986, pgs. 612-618	
BN	"Digital Broadband Delivery System: Out of Band Transport - Mode B," Society of Cable Telecommunications Engineers, Inc., August 10, 1998, 76 pgs.	
EXAMINER	DATE CONSIDERED	
		11/6/04

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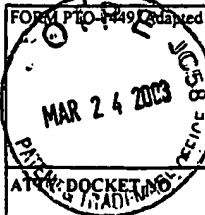
**FORM PTO-1419**

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APPLICANT Stephen A. Thomas et al.		GROUP 2633

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	CA	5,249,194	09/28/93	Sakanushi			
AS	CB	5,412,498	05/02/95	Arstein et al.			
AS	CC	6,151,343	11/21/00	Jurgensen			
AS	CD	5,802,089	09/01/98	Link			
AS	CE	6,097,159	08/01/00	Mogi et al.			
AS	CF	5,778,017	07/07/98	Sato et al.			
AS	CG	5,706,303	01/06/98	Lawrence			
AS	CH	5,345,504	09/06/94	West, Jr.			
AS	CI	5,528,582	06/18/96	Bodeep et al.			
AS	CJ	5,892,865	04/06/99	Williams			
AS	CK	5,861,966	01/19/99	Ortel			
AS	CL	2002/0021465	02/21/02	Moore, Jr. et al.			
AS	CM	5,510,921	04/23/96	Takai et al.			
AS	CN	5,701,186	12/23/97	Huber			

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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AS	CO	International Search Report dated December 4, 2002 for PCT/US02/27398.
AS	CP	International Search Report dated December 17, 2002 for PCT/US02/15861.
AS	CR	Global Access™, Universal Services Gateway, USG100, ARRIS, pgs. 1-2, October 18, 2002.
AS	CS	Global Access™, Universal Access Switch, UA4024, ARRIS, pgs. 12, August 28, 2002.
AS	CT	Partial International Search Report dated January 3, 2003 for PCT/US01/31032.

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AS	DA	5,572,349	11/05/96	Hale et al.			
	DB						
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